

IN THE CLAIMS

1. (currently amended) A recording medium storing a program for executing processing with an output value from a pressure-sensitive operating unit including a push-button switch according to an operating pressure applied ~~theretoto~~ to the switch by an operator, ~~said the~~ program comprising instructions for:

determining a force applied to an object displayed on a screen from a force-applying means-object displayed on the screen according to the output value representing a magnitude of force applied by the operator to the switch of ~~from the~~ pressure-sensitive operating unit.

2. (currently amended) A recording medium according to claim 1, wherein the program further comprises instructions for determining an amount of change per unit time of the output value, wherein the force is determined based on the amount of change per unit time.

3. (currently amended) A recording medium according to claim 1, wherein the program further comprises instructions for determining a deformation amount of the object according to the output value.

4. (currently amended) A recording medium according to claim 1, wherein the object is represented as clay, and the force-applying ~~means-object~~ is represented as one or more hands.

5. (currently amended) A recording medium according to claim 1, wherein the force-applying ~~means-object~~ is represented by at least one of a human hand or and a tool used by a human, and wherein the shape of the object is readily deformed by the hand or the tool.

6. (currently amended) A method for executing processing with an output value from a pressure-sensitive operating unit including a push-button switch according to an operating pressure applied thereto to the switch by an operator, the method comprising:

determining a force applied to an object displayed on a screen from a force-applying means-object displayed on the screen according to the output value representing a magnitude of force applied by the operator to the switch of from the pressure-sensitive operating unit.

7. (original) A method according to claim 6, further comprising determining an amount of change per unit time of the output value, wherein the force is determined based on the amount of change per unit time.

8. (original) A method according to claim 6, further comprising determining a deformation amount of the object according to the output value.

9. (currently amended) A method according to claim 6, wherein the object is represented as clay, and the force-applying ~~means~~ object is represented as one or more hands.

10. (currently amended) A method according to claim 6, wherein the force-applying ~~means-object~~ is represented by at least one of a human hand or and a tool used by a human, and wherein the shape of the object is readily deformed by the hand or the tool.

11. (currently amended) A program executing system, comprising:
a program executing device for reading and executing a program stored in a recording medium;

an operating device connected to ~~said the~~ program executing device and having a pressure-sensitive operating unit including a push-button switch for outputting an operating request by an operator to ~~said the~~ program executing device; and

a display device having a screen for displaying an image output from ~~said the~~ program executing device;

wherein ~~said the~~ program executing device includes:

a storing unit storing a program for executing processing with an output value representing a magnitude of force applied by the operator to the switch of ~~from said the~~ pressure-sensitive operating unit ~~according to an operating pressure applied thereto~~, ~~said the~~ program including determining a force applied to an object displayed on ~~said the~~ screen of ~~said the~~ display device from a force-applying means object displayed on ~~said the~~ screen according to ~~said the~~ output value ~~from said pressure sensitive operating unit~~; and

an executing unit for reading and executing ~~said the~~ program stored in ~~said the~~ storing unit.

12. (currently amended) A program executing device which is connectable to an operating device having a pressure-sensitive operating unit including a push-button switch for outputting an operating request by an operator, and to a display device having a screen for displaying an image, ~~said the~~ program executing device comprising:

a storing unit storing a program for executing processing with an output value representing a magnitude of force applied by the operator to the switch of ~~from the~~ pressure-sensitive operating unit ~~according to an operating pressure applied thereto~~, ~~said the~~ program including determining a force applied to an object displayed on the screen of the display device from a force-applying means object displayed on the screen according

to the output value ~~from the pressure sensitive operating unit;~~
and

an executing unit for reading and executing ~~said the~~
program stored in ~~said the~~ storing unit.

13. (new) A recording medium storing a program for executing processing with output values from an operating unit including a push-button switch and an operating lever for outputting operating requests by an operator according to an operating pressure applied to the switch and a degree of inclination imparted to the operating lever, the program comprising instructions for:

determining a force applied to an object displayed on a screen from a force-applying object displayed on the screen according to the output values representing both a magnitude of force applied by the operator to the switch and a degree of inclination imparted to the operating lever by the operator.

14. (new) A recording medium according to claim 13, wherein the program further comprises instructions for determining an amount of change per unit time of the output value, wherein the force is determined based on the amount of change per unit time.

15. (new) A recording medium according to claim 13, wherein the program further comprises instructions for determining a deformation amount of the object according to the output values.

16. (new) A recording medium according to claim 13, wherein the object is represented as clay, and the force-applying object is represented as one or more hands.

17. (new) A recording medium according to claim 13, wherein the force-applying object is represented by at least one of a human

hand and a tool used by a human, and wherein the shape of the object is readily deformed by the hand or the tool.

18. (new) A method for executing processing with output values from an operating unit including a push-button switch and an operating lever according to an operating pressure applied to the switch and a degree of inclination imparted to the operating lever, the method comprising:

determining a force applied to an object displayed on a screen from a force-applying object displayed on the screen according to the output values representing both a magnitude of force applied by the operator to the switch and a degree of inclination imparted to the operating lever by the operator.

19. (new) A method according to claim 18, further comprising determining an amount of change per unit time of the output value, wherein the force is determined based on the amount of change per unit time.

20. (new) A method according to claim 18, further comprising determining a deformation amount of the object according to the output values.

21. (new) A method according to claim 18, wherein the object is represented as clay, and the force-applying object is represented as one or more hands.

22. (new) A method according to claim 18, wherein the force-applying object is represented by at least one of a human hand and a tool used by a human, and wherein the shape of the object is readily deformed by the hand or the tool.

23. (new) A program executing system, comprising:

a program executing device for reading and executing a program stored in a recording medium;

an operating device connected to the program executing device and having an operating unit including push-button switch and an operating lever for outputting operating requests by an operator to the program executing device; and

a display device having a screen for displaying an image output from the program executing device;

wherein the program executing device includes:

a storing unit storing a program for executing processing with output values representing both a magnitude of force applied by the operator to the switch and a degree of inclination imparted to the operating lever by the operator, the program including determining a force applied to an object displayed on the screen of the display device from a force-applying object displayed on the screen according to the output values; and

an executing unit for reading and executing the program stored in the storing unit.

24. (new) A program executing device which is connectable to an operating device having an operating unit including a push-button switch and an operating lever for outputting operating requests by an operator, and to a display device having a screen for displaying an image, the program executing device comprising:

a storing unit storing a program for executing processing with output values representing both a magnitude of force applied by the operator to the switch and a degree of inclination imparted to the operating lever by the operator, the program including determining a force applied to an object displayed on the screen of the display device from a force-

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applying object displayed on the screen according to the output values; and

an executing unit for reading and executing the program stored in the storing unit.